Carmarthenshire County Council

Annual Report

OF THE

County Medical Officer of Health

For the Year 1950

LLANELLY:
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INTRODUCTION.

During 1950, it became evident that the growth in the demand for the Ambulance and Home Help Services of the County was much in excess of anticipation, and it caused some concern to the Authority that an undue strain on their financial resources might well result.

On the other hand, it was not possible to forge ahead with the Mental Health Service to any extent owing to inability to secure the services of the necessary technical personnel. Difficulties have also been greater than previously in securing the admission of mental defectives to Institutions owing to the shortage of residential accommodation and "places of safety." It is hoped, however, that the establishment of occupation centres and home tuition in this field will not be unduly delayed as their importance from the preventive aspect cannot be too strongly stressed.

Apart from poliomyelitis, of which 42 cases were confirmed during 1950, infectious disease gave no cause for anxiety. Diphtheria has become non-existent, no case having been confirmed in the County since 1947, and scarlet fever is now so mild as to be virtually of no importance to Health Authorities, although how long it will remain so is problematical.

It is encouraging to note that progress in the County is being made by the Sanitary Authorities with water supplies and sewage disposal; this is reported upon in the text of the report.

The infant mortality rate for the year dropped even lower than in 1948 when the figure was ~~9.58~~ 35.8 to 29.8, the lowest ever recorded for the County.

The maternal mortality rate decreased from 3.3 per 1000 total births in 1949, to 1.5 in 1950, a welcome decrease but still too far above the low figure of 0.72 recorded in 1948.

The birthrate again declined (from 15.24 in 1949 to 14.26), and the death rate decreased very slightly (from 12.84 in 1949 to 12.78).

The still-birth rate per 1000 total births for the year was 30.48 as against 25.09 for 1949, and 21.83 for 1948. This continued rise in the still birth rate for the last few years is disconcerting and will call for detailed investigation if the rise in the rate continues.

I am grateful for the support and help of the Chairmen and Members of the Health and Public Health Committees, and I must record my appreciation of the help and assistance I received from the professional, administrative and clerical staff of the County Health Department.

R. EVANS,

County Medical Officer of Health.

November, 1951.

HEALTH COMMITTEE, 1950.

(*Established under the National Health Service Act*, 1946).

Chairman : County Councillor W. H. Mathias.

Vice-Chairman : Alderman Joseph Howell.

Aldermen :

Frank Davies.
D. B. Lewis.
Dame Gwendoline Trubshaw.

Councillors :

Evan Bevan.
David Davies, M.B.E.
John Davies.
Thomas Davies.
Griffith Evans.
Rev. R. G. James.
Mrs. C. Hopkin.
Gwyn Howells.
Edgar Lewis (*ex officio*).
J. O. Morgans.
A. H. Olive.
Mrs. C. R. Rees.
J. D. Rees (*ex officio*).
Mrs. E. Thomas.
John Williams.

PUBLIC HEALTH AND GENERAL PURPOSES COMMITTEE, 1950.

Chairman : Alderman Frank Davies.

Vice-Chairman : County Councillor Thomas Davies.

Aldermen :

T. S. Bowen.
W. W. Davies.
J. Amos Jones.
D. B. Lewis.
T. W. Morgan.
John Phillips.
Captain Ithel Thomas.
Dame Gwendoline Trubshaw.

Councillors :

Evan Bevan.
Thomas Bowen.
David Davies, M.B.E.
G. V. Davies.
John Davies.
J. M. Davies.
Daniel Griffiths.
T. Ll. Harries.
Gwyn Howells.
Rev. R. G. James.
D. G. J. Jones.
Josiah Jones.
Edgar Lewis (*ex officio*).
Edward Lewis.
Haydn Lewis.
W. H. Mathias.
A. H. Olive.
J. A. Owen.
Mrs. C. R. Rees.
J. D. Rees (*ex officio*).
S. J. E. Samuel.
D. J. Stone.
David Thomas.
Mrs. E. Thomas.
S. O. Thomas.
W. P. Thomas.
Daniel Williams.
John Williams.
Rev. Chancellor S. B. Williams.

PUBLIC HEALTH OFFICERS OF THE COUNTY COUNCIL.

County Medical Officer of Health and School Medical Officer :
R. Evans, M.D., B.Sc., D.P.H.

Deputy County Medical Officer of Health and Deputy School Medical Officer :
D. G. G. Jones, M.B., B.S., D.P.H.

Chief Dental Officer :
G. Ungoed Griffiths, L.D.S., R.C.S.

Chief Nursing Officer :
Miss M. Evans, S.R.N., S.C.M., H.V.Cert.

Organiser of Home Helps :
Miss Joan M. Crossman.

County Ambulance Officer :
G. B. Evans.

Senior Administrative Assistant :
W. C. Thomas, M.B.E.

Assistant Medical Officers :
Gladys M. Herbert, M.R.C.S., L.R.C.P., D.P.H. (ceased duties 20th November, 1950).
E. H. Beynon Hopkins, M.R.C.S., L.R.C.P.
Elizabeth T. Davies-Humphreys, M.R.C.S., L.R.C.P.
D. O. Davies, M.R.C.S., L.R.C.P.
M. G. Danaher, M.B., B.Ch., B.A.O., L.M., D.P.H.
Elfyn T. Jones, B.Sc., M.R.C.S., L.R.C.P., D.P.H. (part-time).
Iris A. Jenkin Lloyd, M.R.C.S., L.R.C.P., D.P.H. (part-time).
Edna E. Williams, B.Sc., M.B., Ch.B. (part-time).

Assistant Dental Officers :
W. U. Auerbach, M.D. (Berlin) (ceased duties 28th February, 1950).
J. L. T. Davies, L.D.S. (ceased duties 31st August, 1950).
F. G. Day (temporary).
Gwilym Evans, L.D.S., R.C.S. (part-time).

Medical Officer of Gynaecological Clinic :
J. Gwendoline Madel, M.R.C.S., L.R.C.P.

Deputy Superintendent Health Visitor :
Miss F. Hughes, S.R.N., S.C.M., H.V.Cert.

Senior Nursing Officer :

Miss M. L. James, S.R.N., S.C.M., H.V.Cert.

Senior Orthopaedic Sister :

Miss E. R. Buckley, C.S.P.

Assistant Orthopaedic Sister :

Miss L. M. Davies, C.S.P.

Assistant Organiser of Home Helps :

Mrs. N. Davies.

Dental Attendants :

Mrs. E. V. Williams (ceased duties 15th April, 1950).
Miss E. B. Evans.
Miss E. G. Badger.
Miss C. Lloyd-Morgan.
Mrs. V. M. Arundel (part-time).

Health Welfare Officers :

B. Bevan, Carmarthen.
B. Evans, Ammanford.
D. T. Longhurst, Llanelly.
W. I. Jones, Relief.

Home Teachers and Visitors for the Blind :

Mrs. M. A. Lewis.
Miss S. M. Tidmarsh.
Mrs. W. Davies.

Plasnewydd Mothercraft Hostel :

Medical Officer—E. Noel Rees, B.Sc., M.B., B.Ch., D.R.C.O.G.
Matron—Mrs. E. A. Williams, S.R.N., S.C.M.

County Analyst :

H. J. Evans, B.Sc., F.I.C., F.C.S.

Inspectors under Food and Drugs Act :

Chief Inspector—D. R. Watkins.
Deputy Chief Inspector—E. D. Roberts.

Consultants available for County Health Service.

Pathologist :

Gwenfron M. Griffiths, M.D., M.R.C.P.

Bacteriologist under the Medical Research Council :

W. Kwantes, M.A., M.B., B.Ch., Dip.Bact.

Chest Physicians :

J. T. Jones, B.Sc., M.B., Ch.B.
J. Kenyon Davies, M.R.C.S., L.R.C.P.

Assistant Chest Physicians :

T. Walker, M.Sc., M.B., B.Ch., T.D.D.
M. Sanger Hicks, M.R.C.S., L.R.C.P.

Medical Officers of V.D. Clinic :

Rhys Paton, M.R.C.S., L.R.C.P.
D. E. Thomas, M.B., B.S.

Obstetrician :

J. R. E. James, M.B., F.R.C.S., D.R.C.O.G.

Orthopaedic Surgeon :

G. D. Rowley, M.Ch.

Ophthalmic Surgeons :

J. J. Healy, M.B., Ch.B., Llanelly.
G. S. Forrester, M.B., Ch.B., D.O.M.S., Llanelly.
A. Philipp, L.R.C.P., L.R.C.S., L.R.F.P.S., D.O.M.S. (from 1st February, 1950).

Ear, Nose and Throat Surgeons :

T. I. Williams, F.R.C.S., Llanelly.
J. Crowther, F.R.C.S., Swansea.
S. Morgan, F.R.C.S., Carmarthen.

Hon. Plastic Surgeon :

T. Pomfret Kilner, F.R.C.S., London.

Paediatrician :

Arthur G. Watkins, M.D., F.R.C.P., Cardiff.

Dermatologist :

D. Rhys Lewis, M.D., F.R.C.P., Swansea.

Dental Radiologist :

Iwan Davies, L.R.C.P., L.R.C.S., D.M.R.E., Swansea.

Consultant Orthodontist :

R. E. Rix, M.R.C.S., L.D.S., R.C.S., London.

Psychiatrists :

Sidney Davies, M.B., B.S., D.P.M.
Beryl Senneck, M.B., B.S., D.P.M., D.T.M.

NURSING.

District.	Nurse.	Qualifications.
Whole-time Health Visitors.		
Amman Valley	R. A. Roberts	S.R.N. and S.C.M.
Ammanford	A. Howells	S.R.N., S.C.M. and Health Visitors' Certificate.
Trimsaran	H. E. James	S.R.N. and S.C.M.
Burry Port	F. M. Williams	S.R.N., S.C.M. and Health Visitors' Certificate.
Llangennech	M. Jones	S.C.M., Health Visitors' Certificate, and Diploma in School Nursing and Hygiene.
Carmarthen Rural (part)	D. Evans Murray	S.R.N., S.C.M. and Health Visitors' Certificate.
St. Clears	M. E. E. Davies	S.R.N., S.C.M., and Health Visitors' Certificate.
Carmarthen Borough	G. I. Evans	S.R.N., S.C.M. and Health Visitors' Certificate.
Llanelly Borough	M. C. Jones	S.R.N. and S.C.M.
	G. Greene	S.R.N., S.C.M. and Health Visitors' Certificate.
	D. C. Insley	S.R.N., S.C.M. and Health Visitors' Certificate.
	G. M. Roberts	S.R.N., S.C.M. and Health Visitors' Certificate.
Felinfoel	E. M. Jenkins	S.R.N., S.C.M. and Health Visitors' Certificate.
Tumble	E. J. M. Jones	S.R.N., S.C.M. and Health Visitors' Certificate.
Llandebie	A. E. Jones	S.R.N., S.C.M. and Health Visitors' Certificate.
Pencader.	E. O. Bowen-Davies	S.R.N., S.C.M. and Health Visitors' Certificate.
Bankyfelin	M. E. Thomas	S.R.N., S.C.M. and Health Visitors' Certificate.
Llandilo	C. M. Bailey	S.R.N. and Health Visitors' Certificate.
Llangendeirne	A. Thomas	S.R.N., S.C.M. and Health Visitors' Certificate.
Llandovery	M. G. Evans	S.R.N., S.C.M. and Health Visitors' Certificate.
Nantgaredig	H. Sefton Jones	S.R.N. and Health Visitors' Certificate.
District Nurse/Midwives/Health Visitors.		
Llanfihangel-Aberbythich	M. M. Jones	S.R.N. and S.C.M.
Llandilo (South Ward)	E. A. Davies	S.R.N. and S.C.M.
Llandilo (North Ward)	E. J. Hughes	S.C.M.
Llansawel	M. L. Angel	S.R.N. and S.C.M.
Talley	J. Evans	S.C.M.
Llanfynydd	E. A. Jones	S.C.M.
Cilycwm	E. G. Cox	S.C.M.
Caio	S. Jenkins	S.C.M.
Newcastle Emlyn	V. J. Jones	S.R.N. and S.C.M.
Velindre	G. R. Luke	S.R.N. and S.C.M.
Whitland	A. R. M. Evans	S.R.N., S.C.M. and Tb. Certificate.
Clynderwen	C. M. Morris	S.R.N. and S.C.M.
Llanboidy	D. E. Davies	S.C.M.

District.	Nurse.	Qualifications.
District Nurse Midwives.		
Bettws	S. E. Rees	S.R.N. and S.C.M.
Ammanford	E. M. Edwards	S.R.N. and S.C.M.
Brynamman	A. James	S.R.N. and S.C.M.
Garnant	S. Jones	S.R.N. and S.C.M.
Cwmamman	M. E. Edwards	S.R.N. and S.C.M.
Llangennech	E. A. Mainwaring	S.C.M.
	M. E. John	S.C.M.
Llwynhendy	M. Drew	S.R.N. and S.C.M.
Laugharne	E. E. Keall	S.R.N. and S.C.M.
St. Clears	D. Buckler	S.R.N. and S.C.M.
Abernant	M. O. Davies	S.R.N. and S.C.M.
Conwil	E. Pardoe	S.R.N. and S.C.M.
Mydrim and Trelech	S. F. Riley	S.R.N. and S.C.M.
Pwll, Sandy and Furnace	A. E. James	S.R.N. and S.C.M.
Gorslas	A. Anthony Jones	S.R.N. and S.C.M.
Tumble	H. E. A. Ratford	S.R.N., S.C.M. and R.F.N.
Felinfoel	A. R. Harries	S.R.N., S.C.M.
Dafen	E. M. Jones	S.R.N., S.C.M. and Tb. Certificate.
Kidwelly	G. M. Thomas	S.R.N. and S.C.M.
Llandebie	L. Thomas	S.R.N. and S.C.M.
Penygroes	S. E. G. Jones	S.R.N. and S.C.M.
Trimsaran	E. M. Thomas	S.R.N. and S.C.M.
Saron	G. Edwards	S.R.N. and S.C.M.
Tycroes	Vacancy	
Llandilo (Town)	G. M. Alcock	S.R.N. and S.C.M.
Llanstephan	M. G. Evans	S.R.N. and S.C.M.
Llanybyther	D. Jones	S.R.N. and S.C.M.
Pencader	E. Jenkins	S.C.M.
Drefach	M. C. James	S.R.N. and S.C.M.
Llangunnor	K. E. Critchley	S.C.M.
Abergwili	D. Morgan	S.R.N. and S.C.M.
Nantgaredig	E. Thomas	S.R.N. and S.C.M.
Llangathen	E. Evans	S.R.N. and S.C.M.
Llandovery	B. Harries	S.R.N. and S.C.M.
Llangadock	E. J. Powell	S.C.M.
Llansadwrn and Llanwrda	M. E. Preece	S.C.M.
Ferryside	M. M. T. Richards Jones.	S.C.M.
Pontyates	M. E. Daniel Morris	S.R.N. and S.C.M.
Pontyberem	M. B. Harries	S.R.N. and S.C.M.
District Nurses.		
Carmarthen	D. M. Jones	S.R.N. and S.C.M.
Burry Port	A. M. Probert	S.R.N. and S.C.M.
Llanelly	M. Marpole	S.R.N. and S.C.M.
	E. A. Davies	S.R.N. and Tb. Certificate.
	H. Bushell	S.R.N.
	M. G. Harries	S.R.N.
	M. Griffiths	Nursing Assistant.
Whole-time Midwives.		
Llanelly	F. A. Beynon	S.C.M.
	M. Griffiths	S.R.N. and S.C.M.
	K. Y. Perrott	S.C.M.
	S. Webster	S.C.M.
Carmarthen	M. David Griffiths	S.R.N. and S.C.M.
	E. M. Evans James	S.C.M.
Burry Port	E. M. James	S.R.N. and S.C.M.
Pembrey	O. G Thomas	S.R.N and S.C.M.
Relief	A. Evans	S.C.M.
Relief	E C. Wheeler	S.C.M.
Relief	E G. Walters	S.R.N. and S.C.M.
	E. Davies	S.R.N. and S.C.M.

STATISTICS.

Area : 588,472 acres.

Population—Census 1931 : 179,100.

Estimated by Registrar General for 1950 : 171,730.

Product of a penny rate for general purposes : £2,176.

Rateable value for general purposes : £565,579.

In superficial area (588,472 acres) the County of Carmarthen is the largest of the Welsh Counties. Its length from the upper waters of the River Towy to the Pembrokeshire border is 50 miles. Its breadth from the River Teify on the Cardiganshire border to the River Loughor is 35 miles. Something like three-quarters of the area is agricultural, and the remainder (the eastern part of the County) is industrial, the chief industries being Coal Mining, Tinplate, Steel. Rather more than one-half of the population is concentrated in the industrial area.

BIRTHS AND DEATHS.

Live Births :

	Male.	Female.	Total.
Legitimate	1217	1147	2364
Illegimate	41	44	85
Total	1258	1191	2449

Birth rate per 1,000 of estimated population : 14.26.

The following table shews the number of live births registered and the birth rates during the past five years :—

	Urban.		Rural.		Admin. County.		England & Wales
Year.	No. Reg.	Rate.	No. Reg.	Rate.	No. Reg.	Rate.	Rate.
1946	1145	16.7	1615	16.8	2760	16.7	19.1
1947	1276	18.55	1684	17.47	2960	17.93	20.5
1948	1107	15.42	1626	16.52	2733	16.06	17.9
1949	1026	14.47	1577	15.79	2603	15.24	16.7
1950	1006	14.07	1443	14.40	2449	14.26	15.8

Stillbirths.

Male.	Female.	Total.
41	36	77

Rate per 1,000 (Live and Still) Births : 30.48.

Deaths.

Male.	Female.	Total.
1160	1036	2196

Death rate per 1,000 of estimated population : 12.78.

The following table gives a comparison of the total number of deaths and death rates during the past five years :—

Year.	Urban. Deaths.	Urban. Crude D.R.	Rural. Deaths.	Rural. Crude D.R.	Admin. County. Deaths.	Admin. County. Crude D.R.	Rate for Eng. & Wales
1946	923	13.4	1308	13.6	2231	13.5	11.5
1947	976	14.19	1262	13.09	2238	13.55	12.0
1948	869	12.11	1179	11.98	2048	12.03	10.8
1949	937	13.21	1257	12.58	2194	12.84	11.7
1950	950	13.29	1246	12.43	2196	12.78	11.6

Maternal Mortality.

Maternal mortality covers the number of deaths in which pregnancy or child-birth was the primary cause of death. Four such cases in this County were reported by the Registrar General for the year 1950.

These four deaths represent a maternal mortality rate of 1.58, which compares with 3.37 for 1949. The figures for the last six years are as follows :—

Year.	Maternal Deaths.	No. of births.	Rate per 1,000 total births.	Rate for England and Wales.
1945	10	2597	3.7	1.79
1946	10	2760	3.5	1.43
1947	9	3054	2.9	1.17
1948	2	2794	0.7	1.02
1949	9	2670	3.3	0.98
1950	4	2526	1.5	0.86

Deaths due to pregnancy were specially investigated and confidential reports sent to the Chief Medical Officer of the Welsh Board of Health. The co-operation of medical practitioners in reporting voluntarily on all such cases and enabling the desired confidential reports to be completed, is much appreciated.

Infant Mortality.

There were 73 deaths of infants under one year old during the year ; an infant mortality rate of 29.81 per 1,000 live births. This compares with a rate of 42.64 for 1949. For England and Wales for 1950, the rate was 29.80.

A classification of the 1950 deaths in the County is as follows :—

	Males.	Females.	Total.	Rate.
Legitimate	32	38	70	29.61
Illegitimate	2	1	3	35.29
Totals	34	39	73	29.81

The causes of death were :

	Male.	Female.	Total.
Respiratory Tuberculosis	—	1	1
Other infectious and parasitic Diseases	1	—	1
Pneumonia	2	3	5
Bronchitis	1	1	2
Gastritis, enteritis and Diarrhoea	1	1	2
Congenital malformations	4	9	13
Other defined and ill-defined diseases	25	23	48
Accidents (excluding motor vehicles)	—	1	1
Totals	34	39	73

Deaths from Zymotic Diseases :

Deaths from Measles (all ages)	Nil
Deaths from Whooping Cough	Nil
Deaths from Diphtheria	Nil
Deaths from Gastritis, enteritis and Diarrhoea (under 12 months old)	2

Cancer.

The death rates per 1,000 population during the last five years have been :—

Year.	No. of Deaths.	Rate per 1,000 population.
1946	307	1.8
1947	299	1.8
1948	323	1.9
1949	321	1.9
1950	325	1.9

A classification of the causes of death from Cancer during 1950 is as follows :—

Site of Cancer.		Age Periods.						Total	Grand Total.
		0—	1—	5—	15—	45—	65—		
Stomach	M.	—	—	—	—	13	17	30	
	F.	—	—	—	1	14	28	43	73
Lung, Bronchus	M.	—	—	—	1	16	13	30	
	F.	—	—	—	—	2	3	5	35
Breast	M.	—	—	—	—	—	—	—	
	F.	—	—	—	2	15	11	28	28
Uterus	M.	—	—	—	—	—	—	—	
	F.	—	—	—	3	9	8	20	20
Others	M.	—	—	—	4	22	63	89	
	F.	—	1	1	5	32	41	80	169
TOTALS	M.	—	—	—	5	51	93	149	
	F.	—	1	1	11	72	91	176	325

The following table gives the causes of death in 1950 at specified ages :—

Cause of Death.	All Ages.	Under 1 year.	1 and under 5 years.	5 and under 15 years.	15 and under 45 years.	45 and under 65 years.	65 and over.
All Causes—Males	1160	34	13	12	88	340	673
Females	1036	39	8	8	73	230	678
Total	2196	73	21	20	161	570	1351
1. Tuberculosis, respiratory	70	1	1	2	27	30	9
2. Tuberculosis, other	16		3	2	6	5	
3. Syphilitic Disease	6					4	2
4. Diphtheria							
5. Whooping Cough							
6. Meningococcal infections	1		1				
7. Acute Poliomyelitis	1		1				
8. Measles							
9. Other infective and parasitic diseases	6	1			2	2	1
10. Malignant neoplasm, stomach	73				1	27	45
11. Malignant neoplasm, lung, bronchus	35				1	18	16
12. Malignant neoplasm, breast	28				2	15	11
13. Malignant neoplasm, uterus	20				3	9	8
14. Other malignant and lymphatic neoplasms	169		1	1	9	54	104
15. Leukaemia, aleukaemia	7					3	4
16. Diabetes	11					3	8
17. Vascular lesions of nervous system	299			1	4	58	236
18. Coronary disease, angina	211				7	69	135
19. Hypertension with heart disease	63					13	50
20. Other heart disease	375			1	12	50	312
21. Other circulatory disease	78				6	15	57
22. Influenza	17		1		1	6	9
23. Pneumonia	51	5		1	2	17	26
24. Bronchitis	97	2		1	1	28	65
25. Other diseases of respiratory system	92			1	6	46	39
26. Ulcer of stomach and duodenum	20				2	13	15
27. Gastritis, enteritis and diarrhoea	5	2				1	2
28. Nephritis and nephrosis	50		1	1	10	12	26
29. Hyperplasia of prostate	21						21
30. Pregnancy, childbirth, abortion	4				3	1	
31. Congenital malformations	23	13	3	1	2	3	1
32. Other defined and ill-defined diseases	269	48	5	4	26	43	143
33. Motor vehicle accidents	16			2	6	2	6
34. All other accidents	48	1	4	2	17	16	8
35. Suicide	14				5	7	2
36. Homicide and operations of war							
Total	2196	73	21	20	161	570	1351

The chief causes of death during 1950 and the rates per 1,000 population compared with previous years were :—

Cause of Death.	1946		1947		1948		1949		1950	
	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate
Heart Disease ..	553	3.3	532	3.22	553	3.25	538	3.15	649	3.78
Cancer ...	307	1.8	299	1.81	323	1.87	321	1.88	325	1.89
Tuberculosis (all forms)	119	0.72	117	0.71	114	0.66	113	0.66	86	0.50
Vascular Lesions of Brain.	270	1.6	280	1.70	269	1.58	262	1.53	299	1.74
Pneumonia .	80	0.48	73	0.44	61	0.35	70	0.41	51	0.30
Bronchitis .	127	0.76	129	0.78	89	0.52	124	0.73	97	0.56
Nephritis	79	0.48	69	0.42	75	0.44	66	0.39	50	0.29

Deaths from the above causes for 1950 constitute about 70.90% of the total deaths.

The senile mortality, *i.e.* the number of deaths of persons over 65 years was 1,351 or about 61.50% of the total deaths in 1950.

LABORATORY SERVICES.

Bacteriological facilities for the County are provided by the Public Health Laboratory, Carmarthen, which is controlled by the Medical Research Council. Excellent service to the community is rendered by this Laboratory which is of great value in the control of epidemics. Full co-operation is maintained between the staff of the Laboratory and the Health Department. The Pathological Laboratory which was formerly controlled by the County Council, is now administered by the Regional Hospital Board.

During 1950, specimens as follows were examined at the Laboratories :

Bacteriological	.....	25,231
Pathological	.....	13,221

MIDWIFERY SERVICE.

The County Council is for the whole County, the local supervising authority under the Midwives Acts, and 139 Midwives notified their intention to practise in the area during 1950, viz. :—

	As Midwives.	As Maternity Nurses.
Domiciliary Midwives ..	95	—
Institutional Midwives	41	3

There was no change in the general arrangements of the Authority for the Midwifery Service. Nine whole-time County Council Midwives were employed, viz. :—

Llanelly Borough	.....	5
Carmarthen Borough	.....	2
Burry Port and Pembrey	.....	2

District Nurse/Midwives were employed as follows :—

45 Under District Nursing Associations.
7 Directly by the Authority.

The authorised establishment of Midwives includes six whole-time relief Midwives for general relief duties in the County, but only three were on the staff at the end of 1950. The Chief Nursing Officer experienced considerable difficulty in obtaining the services of relief Midwives when required.

Twenty-one of the Midwives who notified their intention to practise during the year were in private practice, but for the most part their midwifery work was undertaken as relief midwives for the Authority. Only two cases were attended to privately by these midwives during the year.

Cases attended by the Midwives in the County during the year were as follows :—

	As Midwife.	As Maternity Nurse.	Total.
County Council Midwives (including District Nurse/Midwives employed directly by the Authority)	367	111 ..	478
District Nurse/Midwives (under Nursing Associations)	456	179	635
Institutional Midwives	1265	149	1414
Private Midwives	2	— .	2
Grand Total	2090	439	2529

There were four maternal deaths during the year, as compared with nine in 1949. Three of the 1950 deaths occurred in Hospital.

Gas and Air Analgesia.—During the year, the Authority continued their policy of training midwives in the administration of gas and air analgesia. The arrangements for training at the Bristol Maternity Hospital continued, and additional facilities were made available in the early part of the year at the Stouthall and Fairwood Hospitals, Swansea, with the approval of the Glantawe Hospital Management Committee.

On the 31st December, 1950, 60 midwives employed under the arrangements of the Authority were qualified to administer gas and air analgesia. Of this number, 57 had been supplied with Gas and Air machines ; the other three midwives were employed as Whole-time Relief Midwives and the machines of the midwives relieved were available for them. Twenty-three midwives at Institutions and one independent midwife were also qualified. At the end of the year only four domiciliary midwives under the Authority were not qualified in the administration of gas and air analgesia ; two of them were of retiring age.

The number of cases in which gas and air analgesia was administered by domiciliary midwives during the year was as follows :—

	When acting as Midwife.	When acting as Maternity Nurse.	Total.
County Council Midwives (including District Nurse/Midwives employed directly by the Authority)	150	32	182
District Nurse/Midwives under Nursing Associations	163	62	225
Total	313	94	407

Supervision of Midwives.—The non-medical supervision of Midwives is undertaken by the Chief Nursing Officer who is also responsible for the supervision of the work of home nursing and health visiting. A Senior Nursing Officer assists her in the midwifery and home nursing duties.

153 visits of supervision were made during the year to District Nurse/Midwives, and 55 visits to the County Council Midwives. Special visits of investigation were as follows :—

Puerperal Pyrexia	9
Ophthalmia Neonatorum	39
Maternal Deaths	4
Infant Deaths	16
Others	6

Stillbirths.—A still birth is defined as the birth of a child after the twenty-eighth week of pregnancy, which, after complete expulsion, did not breathe or show any signs of life. There were 77 stillbirths (41 males and 36 females) registered in the County in 1950, giving a rate of 30.48 per 1,000 total births.

Prior to 1949, there had been a steady decline in the stillbirth rate for the County, but there was an increase for 1949 and a further increase for 1950. The information for the last six years is as follows :—

Year.	Number.	Rate per 1,000 live and stillbirths.
1945	87	32.41
1946	94	32.94
1947	94	30.78
1948	61	21.83
1949	67	25.09
1950	77	30.48

Puerperal Pyrexia.—Two cases of Puerperal Pyrexia were notified during the year ; both cases were treated at Hospital.

Institutional Provision for Maternity Cases.—All maternity hospital accommodation is now controlled and administered by the Regional Hospital Board through the Hospital Management Committees. The admission of cases on medical grounds is entirely in the hands of the Management Committees. The Glantawe Hospital Management Committee also control the admission of cases on social grounds but the County Medical Officer of Health supplies them with information as to home conditions. By arrangement with the West Wales Hospital Management Committee, the County Medical Officer of Health continues to authorise the admission of social cases to the Maternity Wards of that Committee.

HOME NURSING.

The arrangements for home nursing continued satisfactorily during the year, and tribute must again be paid to the work of the County Nursing Association and the District Nursing Associations. During the year, the Drefach District Nursing Association ceased to function, and the area came under the direct administration of the Authority. The Llangendeirne Nursing Association also ceased to function when the Authority decided not to fill a vacancy for the District Nurse/Midwife for the District ; the district was divided between the Pontyates, Pontyberem, Drefach and Llangunnor Districts. At the request of the Glamorganshire Authority, the Garnswllt Area was taken over for home nursing and midwifery duties by the Bettws District Nurse (Ammanford Nursing Association).

At the end of the year, seven District Nurse/Midwives were employed directly by the Authority, and seven Whole-time District Nurses, and 45 District Nurse/Midwives were employed under District Nursing Associations. This was equivalent to 31 District Nurses in terms of whole-time employment.

8,149 cases were attended to during the year and 93,634 home visits were made. An analysis of the cases is as follows :—

Medical	3367
Surgical	2264
Tuberculosis	76
Other	2442

CARE OF MOTHERS AND YOUNG CHILDREN.

Ante-Natal and Post-Natal Clinics.

Two additional Ante-Natal Clinics were opened during the year : one at Pencader on the 3rd January and the other at Pontyates on the 4th January.

Eleven Ante-Natal Clinics were holding sixteen sessions weekly at the end of the year, viz. :—

Clinic	Sessions weekly	Medical Officer.	Attendances		Average total attendances
			Ante-Natal	Post-Natal	
Ammanford	One	M. J. A. Davies	816	—	16.65
	*		—	133	5.1
Llanelly	Two	M. G. Danaher	1046	4	10.5
Carmarthen	One	Elfyn T. Jones	157	25	3.56
Llangennech	Two	M. G. Danaher	847	56	8.68
Kidwelly	Two	Davies-Humphreys	594	126	7 06
Burry Port	Two	Davies-Humphreys	969	111	11.25
Cross Hands	Two	M. G. Danaher	816	31	8.14
Llandilo	One	M. J. A. Davies	815	87	17.35
Pontyates	One	E. E. Williams	280	35	6.06
Pencader	One	Jenkin-Lloyd	86	1	2 23
Amman Valley Hospital	One	John Davies	999	—	21.72

* A special post-natal session is held fortnightly at the Ammanford Clinic.

1,776 cases made 8,034 attendances at the Clinics during the year, viz. :—

Ante-Natal	.....	1,434 cases, 7,425 attendances.
Post-Natal	.....	342 cases, 609 attendances.

Dental Treatment.—It has not been possible to make arrangements for the dental care of expectant and nursing mothers, and young children. The services of two Whole-time Assistant School Dental Officers were lost during 1950, and as from the 1st September, 1950, there were only two full-time dentists and one part-time dentist on the staff to undertake the dental inspection and treatment of almost 25,000 school children. There is no prospect of arrangements being made for mothers and young children until the school dental staff is adequate.

If the deterioration reported by the Chief Dental Officer in the condition of the teeth of school children in the County continues unabated, the amount of conservative dental work which will be required for the mothers of the future, will not warrant special arrangements.

Gynaecological Clinic.—This Clinic is held at Llanelly twice monthly for married women requiring advice on birth control on medical grounds. Dr. J. Gwendoline Madel, Swansea, is the Medical Officer of the Clinic.

Ninety-seven cases were seen at the Clinic during 1950 (35 new cases and 62 old cases) and they made 235 attendances.

Care of Unmarried Mothers and their Children.—Plasnewydd Mothercraft Hostel is maintained by the County Council for the reception of unmarried mothers. Accommodation is available for ten ante-natal patients, ten post-natal patients and ten infants. Patients are normally admitted from about three months before confinement and retained up to about three months after confinement, but in special cases these periods may be extended. Applications for admission are dealt with by a Ladies Sub-Committee in collaboration with the St. David's Diocesan Moral Welfare Committee. Patients are admitted to Maternity Hospitals for confinement.

Beds as follows are reserved at the Hostel for the patients of adjoining Health Authorities :—

Pembrokeshire		.....	4 beds.
Swansea	.....	.....	2 beds.
Glamorgan	.....	.....	2 beds.

The agreements with these Authorities provide for the acceptance of additional patients if vacancies are available at the Hostel. Patients are also accepted from other Authorities if there are vacant beds.

46 patients were admitted during 1950, and 16 were in residence on the 31st December. Further details are given in the following Table :—

Authority.	Number of Patients.			
	On 31st Dec., 1949	Admitted 1950	Total	On 31st Dec., 1950
Carmarthenshire	2	12	14	4
Pembrokeshire	4	20	24	7
Glamorganshire	1	12	13	4
Swansea	1	1	2	1
Other	—	1	1	—
Totals	8	46	54	16

Close co-operation is also maintained with the St. David's Diocesan Moral Welfare Committee in the case of unmarried mothers generally. The Committee assist unmarried mothers in every way possible, and, if necessary, arrange for the adoption of the infants.

Premature Infants.—Premature infants are those notified as having a birth weight of 5½ lbs. or less, irrespective of the period of gestation. The arrangements of the Authority for the care of premature infants include the loan of cots and cot clothing, hot water bottles, and special nursing and feeding equipment. Midwives and Health Visitors devote special attention to these infants.

163 premature infants were notified during 1950 and further information is as follows :—

(*a*)	Number born at home	60
	(i) Nursed entirely at home	48
	(ii) Transferred to Hospital	12
	(iii) Died within first twenty-four hours	6
	(iv) Others who died within first twenty-eight days	3
	(v) Survived at end of twenty-eight days	51
(*b*)	Born in Hospital	103
	(i) Died during first twenty-four hours	16
	(ii) Others who died within first twenty-eight days	6
	(iii) Survived at end of twenty-eight days ...	81

Ophthalmia Neonatorum.—Two cases were notified during the year. The following table gives particulars of the notifications for the last five years :—

Year.	Cases.			Vision unimpaired.	Vision impaired	Vision lost.	Deaths.	Under Treatment at end of year.
	Notified	Treated.						
		At Home.	In Hospital					
1946	3	2	1	3				.....
1947	3	1	2	3				.....
1948	4	2	2	4				.....
1949	4		4	4				.....
1950	2	1	1	2				.....

Infant Welfare Centres.—On the 5th May, 1950, a new Infant Welfare Centre was opened at St. Clears, and at the end of the year, 35 Infant Welfare Centres were operating in the County. Appreciation must once again be recorded of the part played by members of the Voluntary Ladies Committees in the success of the Centres.

A list of the Infant Welfare Centres and other information for 1950 is as follows :—

Centre.	Where held.	Day held.	Attendances.	Average attendance.
Ammanford	Child Welfare Clinic, High Street, Ammanford.	Tuesday	1595	66.46
Brynamman	St. Catherine's Church Hall, Brynamman.	Tuesday	896	34.46
Burry Port	Memorial Hall, Burry Port	Tuesday	1109	44.36
Carmarthen Borough.	The Clinic, Pond Street, Carmarthen.	Monday	2043	41.69
Carmarthen Rural.	The Clinic, Pond Street, Carmarthen.	Wednesday	257	9.88
Cwmamman	Bethesda Chapel Vestry, Glanamman.	Wednesday	866	36.08
Felinfoel	The Aelwyd, Penygaer, Felinfoel.	Thursday	939	36.12
Ferryside	Ex-R.A.F. Camp, Ferryside	Tuesday	472	18.88
Ffairfach	Abercennen, Ffairfach	Wednesday	210	16.15
Furnace	Ainon Vestry, Furnace	Wednesday	524	20.15

Centre.	Where held.	Day held.	Attendances.	Average attendance.
Gorslas ...	Public Hall, Cross Hands	Tuesday	1600	69.56
Kidwelly . .	Trinity Methodist Church, Kidwelly.	Tuesday	662	28.78
Laugharne	Memorial Hall, Laugharne .	Tuesday	279	10.73
Llandebie	Llys Tybie, Llandebie	Thursday	409	15.73
Llandilo	Church Hall, Llandilo	Wednesday	259	19.92
Llandovery .	Reading Room and Institute, Llandovery.	Tuesday	423	16.92
Llanelly Borough	Old Town Hall, Llanelly	Mon., Wed., and Fri.	4319	28.79
Llangadock	Y.M.C.A. Hall, Llangadock	Friday	157	10.47
Llanstephan .	Ben Harries Institute, Llanstephan.	Wednesday	431	17.24
Llangennech ...	Salem Chapel Vestry, Llangennech.	Tuesday	599	23.96
Llwynhendy	Nazareth Chapel Vestry, Llwynhendy.	Tuesday	1056	40.62
Newcastle Emlyn	Cawdor Temperance Hotel, Newcastle Emlyn.	Tuesday	257	11.17
Pencader . .	Tabernacle Vestry, Pencader	Thursday	428	16.46
Pendine	The Institute, Llanmiloe, Pendine.	Tuesday	306	11.77
Penygroes . .	Congregational Chapel Vestry, Penygroes.	Tuesday	971	38.84
Pontyberem	Public Hall, Pontyberem	Wednesday	824	32.98
Pontyates	Welfare Hall, Pontyates	Wednesday	705	27.12
Pumpsaint	Coronation Hall, Pumpsaint	Thursday	68	5.67
Pwll	Salem Chapel Vestry, Pwll	Wednesday	592	22.77
St. Clears	Old Penuel Vestry, St. Clears	Tuesday	181	12.92
Trimsaran	Workmen's Institute, Trimsaran.	Tuesday	578	22.23
Tumble	Welfare Pavilion, Tumble	Tuesday	694	28.92
Velindre	Red Dragon Hall, Velindre, Llandyssul.	Thursday	453	18.12
Whitland	Memorial Hall, Whitland	Friday	711	27.35
Ystradowen	The County Primary School, Ystradowen.	Wednesday	419	17.46

All Centres are held fortnightly except as follows :—

Llanelly—Three sessions weekly.
Carmarthen Borough—One session weekly.
Llandilo—One session monthly.
Ffairfach—One session monthly.
Llangadock—One session monthly.
Pumpsaint—One session monthly.

Number of children who attended Centres for the FIRST TIME :—

Under 1 year of age	1,902
Between 1 and 5 years of age	433
	2,335

Number of children under 5 years of age who were attending Centres at the end of the year were :—

Under 1 year of age	1,370
Over 1 year of age	2,357
	3,727

Welfare Foods.—Welfare Foods are supplied under the arrangements of the Authority at the Llanelly Infant Welfare Centre. At other Centres, supply and distribution is undertaken by the Ladies Committees. Close co-operation is maintained with the local offices of the Ministry of Food.

Medical Treatment of Infants.—All arrangements for the medical treatment of school children are available for those under school age, but infants are now generally referred by the Medical Officers of the Infant Welfare Centres direct to the family doctors for treatment. The following is a summary of the treatment facilities available under the Authority for infants during 1950 :

Ear, Nose and Throat Defects.—Under arrangements made with the West Wales and Llanelly Hospitals, the County Medical Officer of Health directed parents to take their children to attend for specialist examination, attendances being made at the Out-patient Department of the West Wales Hospital and at the Surgery of Mr. T. I. Williams at Llanelly. Arrangements for specialist examination at the Amman Valley Hospital were made by that Hospital. Children found to require inpatient treatment were placed by the specialists on the Hospital waiting lists, and the arrangements for admission were made by the Hospitals. The arrangements for specialist examination and treatment at the Llandovery Hospital by Mr. T. I. Williams were made by the County Medical Officer of Health in the same way as prior to the commencement of the National Health Service.

Eye Defects.—Specialist examinations were carried out at three Centres, viz. :—

(i) *Carmarthen.*—At the West Wales General Hospital. Arrangements for the attendance of cases were made by the County Medical Officer of Health.

(ii) *Llanelly.*—At Brynmair Clinic. Arrangements for the attendance of cases were made by the Hospital Authorities.

(iii) *Glanamman.*—At the Amman Valley Hospital. Arrangements for the attendance of cases were made by the Hospital Authorities.

Plastic Surgery.—The plastic treatment of children at the Lord Mayor Treloar Hospital, Alton, under Professor T. Pomfret Kilner, continued as in the past. The arrangements have been in operation since 1937, but they will cease when the arrangements for plastic surgery are completed by the Welsh Regional Hospital Board.

During 1950, seven cases were treated by Professor Pomfret Kilner, viz. :—

Health Committee	.....	2 cases. (One cleft lip and palate, and one cleft palate).
Education Committee	.....	5 cases. (One cleft lip and palate, two cleft palates, one cleft lip, one cartilage graft to ear).

Artificial Light Therapy.—Thirty-six children under school age received treatment during the year, 8 at the Llanelly Clinic and 28 at the Carmarthen Clinic.

Orthopaedic Treatment.—The work of the County Orthopaedic Clinics continued as in past years, except that Mr. Gordon Rowley, the Orthopaedic Surgeon, is an officer of the Regional Hospital Board. He undertakes the inpatient treatment of cases at Morriston Hospital, and monthly visits are made by him to the County Clinics. X-ray and special cases are also seen by him at the Outpatient Department of the Hospital.

Seventeen Orthopaedic Clinics are functioning in the County, and on the 31st December, 1950, 2,042 cases were being attended to for all Authorities, viz. :—

County Education Committee	.....	.....	1331
County Health Committee	.....	.....	683
West Wales Hospital Management Committee	.....	.....	14
Glantawe Hospital Management Committee			14

An analysis of the cases of the Health Committee and the Hospital Management Committees according to diagnosis is as follows :—

	Health Committee.	Hospital Management Committees.	Total.
Paralysis :			
Infantile	16	12	28
Spastic	15	1	16
Obstetrical	—	—	—
Other	2	1	3
Congenital Deformities	191	5	196
Infective Conditions of Bones and Joints	—	1	1
Non-infective conditions of Bones and Joints :			
Rickets	2	—	2
Other	6	3	9
Static or Postural Defects	441	1	442
Traumatic Deformities	1	2	3
Multiple Defects	—	—	—
Miscellaneous	9	2	11
Totals	683	28	711

A summary of the work undertaken for these cases under the orthopaedic arrangements is given in the following table :—

	Health Committee.	Hospital Management Committees.	Total.
Number of individual children under Scheme on 1st January, 1950	652	29	681
Number of new cases during the year	348	1	349
Number of individual cases dealt with during the year	1000	31	1031
Number of cases withdrawn from Scheme	210	3	213
Number of children under the Scheme on the 31st December	683	28	711
Total number of attendances made at the clinics	4012	61	4073
Number of individual cases received remedial exercises by Sisters	3	2	5
Number of individual cases massaged by Sisters	6	1	7
Number of home visits by Sisters	659	60	719
Number of cases examined by visiting Orthopaedic Surgeon	183	14	197
Number of cases recommended in-patient hospital treatment by Surgeon	6	—	6

Ten children under school age were admitted to Hospital for orthopaedic treatment during the year.

Child Life Protection.—The duties in connection with Child Life Protection are now undertaken by the Children's Committee. Although Health Visitors do not now act as Visitors for Child Life Protection, such children under 5 years of age continue to be supervised by them as part of normal health visiting duties. On attending school, the children come under the supervision of the School Health Service.

Nurseries and Child Minders.—No premises or persons are registered in the County under the Nurseries and Child Minders Regulation Act, 1948, and no application for registration was received during the year.

HEALTH VISITING.

Good progress was continued under the arrangements of the Authority for the appointment of Whole-time Health Visitors in the County. Three commenced duties during the year, and two others were

appointed but they did not commence duties until early in 1951 when the Scheme was fully implemented. The arrangements made for the appointment and training of Student Health Visitors have greatly facilitated the completion of the arrangements.

The duties of Health Visitors include the care of mothers and young children, tuberculosis visiting, and, in addition, they are concerned with the health of the families in their districts and precautions against the spread of infection. The work, however, does not encroach on the responsibilities of District Nurses, Midwives or Sanitary Inspectors, but close co-operation has to be maintained with these officers. With one exception (the Health Visitor for Carmarthen Borough) all the Health Visitors also undertake school nursing duties.

The following summarises the work of the Health Visitors during the past five years.

Year.	Infants under 1 year.		Children 1—5 years.	Grand Total.
	First visits.	Total visits.		
1946	1873	14870	17979	32849
1947	2072	14885	18909	33794
1948	2315*	17021*	18655*	35676*
1949	2501	20247	22567	45315
1950	2390	19415	25575	44990

* Figures include the work of the Health Visitors for Llanelly and Carmarthen Boroughs only from the 5th July, 1948.

Student Health Visitors.—Student Health Visitors are appointed from time to time, and during 1950 two were appointed. While in training, students are paid by the Authority three-quarters of the minimum of the salary scale for Health Visitors. All expenses incurred when training are paid by the Students who are required to give an undertaking to serve under the Authority for at least two years after completion of the course.

HOME HELP SERVICE

The demand for assistance under the Home Help Service increased considerably during the year and caused the Authority much concern, particularly the extent to which assistance was required for " long term " cases. It was considered that the National Assistance Board should take responsibility for assisting such cases, but a meeting with a representative of the Board produced no satisfactory result and the Authority had no alternative but to allow their arrangements to continue. The question was, however, pursued further in 1951.

430 cases were being assisted under the Home Help Service on the 31st December, 1950, and over one-half of them were chronic sick or aged. The Home Help Service was never intended to cater completely for all the needs of the chronic sick and aged, and there is little doubt that the extent to which the Home Help Service can be kept within limits depends largely on the amount of assistance allowed for such cases. The problem is not restricted to this County. It applies to all Authorities in the country and there is urgent need for laying down the respective responsibilities of the National Assistance Board, the Welfare Committee, and Regional Hospital Board in this matter.

In all, 1,054 cases received Home Help assistance during the year 1950, viz. :—

Maternity	292
Illness and Accidents	543
Tuberculosis	46
Aged	104
Aged and Blind	9
Convalescent	60

This is twice the number assisted during the previous year.

The recruitment of Home Helps in the County during the year kept pace with the increased demand. No Whole-time Home Helps are employed by the Authority. On the 1st January, 1950, 202 Home Helps were available for part time or temporary duty. 573 new Helps were enrolled during the year, but unfortunately, the wastage rate among Home Helps is high and 334 withdrew from the service. Some found the work too hard, some were unable to continue for personal domestic reasons, some resigned owing to ill health, and others were recruited only for a limited period. Unremitting efforts were necessary on the part of the Organisers to recruit the number of Helps required to maintain the Service. On the 31st December, 441 Home Helps were available. The services given in the last normal week of the year was equivalent in terms of whole-time service to 211 Home Helps.

Appreciation must again be recorded of the assistance and co-operation rendered in connection with the Home Help Service by members of voluntary organisations and others in the County. Particular reference must be made to the kindness of the Women's Voluntary Services in allowing the use of their Llanelly Office as a Home Help Information Bureau, and to the assistance given by the ladies who voluntarily attend there to deal with enquiries. The Bureau is open three afternoons each week.

NURSING HOMES.

There are now no registered Nursing Homes in the County, and no application for registration was received during the year.

PREVENTION OF ILLNESS, CARE AND AFTER-CARE.

The arrangements for these Services in this County cover :—

(*a*) Tuberculous patients and their families.

(*b*) Patients suffering from malignant disease and their families.

(*c*) The provision of sick room and nursing requisites required by any patients being nursed at home.

The Health Committee have appointed a Care and After-Care Sub-Committee to exercise the functions of the Authority under the arrangements.

Home Nursing and Home Helps are provided when necessary under the County arrangements for those services. Care and after-care of patients suffering from mental illness or mental defect form part of the Authority's arrangements for a Mental Health Service.

Tuberculosis.—The Health Authority are responsible for the physical and social well-being of the tuberculous patient and his family, and the arrangements in this County include :—

(*a*) Assistance to obtain additional nourishment or clothing in necessitous cases. The National Assistance Board co-operate so far as possible in connection with these cases.

(*b*) Shelters on loan in suitable cases. Five shelters were being used by patients at the end of 1950.

(*c*) The loan of beds and bedding in necessitous cases to assist in the segregation of patients. Issues were made to nine patients during the year, and seventeen sets were on loan at the end of the year.

(*d*) Arrangements for the temporary care of children with relatives, or otherwise, and by providing Home Helps if necessary.

(*e*) Assistance to obtain suitable housing accommodation in co-operation with the Local Housing Authorities.

(*f*) Sick room requisites.

It has been necessary to maintain close co-operation with the Officers of the National Assistance Board in connection with tuberculous patients, and appreciation must be recorded of the cordial relationship existing between them and the staff of the Health Department.

Malignant Disease.—Bedding was provided during the year for the use of two necessitous patients suffering from malignant disease.

Nursing Requisites.—The demand for nursing and sick-room requisites increased considerably during the year and the following equipment was issued to patients : 28 pairs of crutches, 20 air/water beds, 16 air rings, 16 bed rests. Other issues included, bed cradles, rubber sheeting, draw sheets, bedpans and urine bottles.

Venereal Diseases.—The Deputy Superintendent Health Visitor made 32 visits to homes in connection with the following-up of cases suffering from Venereal Diseases.

VACCINATION AND IMMUNISATION.

The arrangements of the Authority for vaccination against smallpox and immunisation against diphtheria provide for the work to be undertaken by general medical practitioners, Medical Officers of Infant Welfare Centres, and Medical Officers of Health. The majority of the general medical practitioners in the County co-operate in the arrangements.

Smallpox Vaccination.—During 1950, 828 successful vaccinations against smallpox were undertaken as follows :—

Under 1 year old	724
Age 1 to 4 years	50
Age 5 to 15 years	22
Age 15 and over	32
Total	828

The vaccinations under one year old were equivalent to 29.56% of the registered births in the year. This compares with a percentage of 16.21 for 1949.

Diphtheria Immunisation.—3,198 children (2,022 under 5 years of age and 1,176 between 5 and 14 years) were immunised during the year, as compared with 3,945 children (2,685 under 5 and 1,260 between 5 and 14 years of age) immunised during 1949. 1,797 children received booster injections as compared with 3,432 in 1949.

The following table gives the diphtheria immunisation state of the children in the County at the end of the year :—

No. of children under 5 years of age.	No. Immunised.	%	No. of children 5—14 years of age.	No. Immunised.	%
12780	6666	52.16	22880	20864	91.19

There is a slight decrease in the percentage of children under 5 years of age immunised (52.16%) as compared with 1949 (54.12%) but the percentage between 5 and 14 years of age has improved, being 91.19% as compared with 86.79% in 1949.

MENTAL HEALTH SERVICE.

Hospital and Institutional accommodation for all types of mental cases is the responsibility of the Regional Hospital Board, and St. David's Hospital, Carmarthen (formerly known as the Joint Counties Mental

Hospital) and Pantglas Hall Institution, Llanfynydd, are under the control of the Carmarthen (Mental) Hospital Management Committee. The Health Authority are responsible for the care and after-care of mental cases, including the social and personal problems of the patients and their dependents. These duties fall into two categories :—

(*a*) Those arising under the Lunacy and Mental Treatment Acts (i.e., patients who, previously normal, have become mentally ill).

(*b*) Those under the Mental Deficiency Acts (i.e., patients of incomplete development of brain).

The Mental Health Sub-Committee of the Health Committee are responsible for dealing with matters connected with the Mental Health Service, and reports on their proceedings are submitted to the Health Committee.

The arrangements for the Mental Health Service provide for :—

(*a*) The employment of a Senior Medical Officer with experience in psychological medicine to assist the County Medical Officer of Health in the development of the Service and its medical supervision.

(*b*) Securing, when necessary, the services of Psychiatrists of the Regional Hospital Board, and for arrangements for mutual assistance and joint appointments.

(*c*) The employment of a Senior Health Welfare Officer who will be a qualified Psychiatric Social Worker, to assist the Senior Medical Officer in the community care of mental patients and defectives, and to supervise the work of the Health Welfare Officers.

(*d*) The employment of Health Welfare Officers to undertake the community care and supervision of cases of mental illness or mental defect.

(*e*) The establishment and staffing of Occupation Centres.

Four ex-Relieving Officers are employed as Health Welfare Officers and they are duly authorised to take initial proceedings in providing care and treatment for persons suffering from mental illness. Defined areas are not laid down for these Officers, they undertake duties where required, but three operate from Ammanford, Carmarthen and Llanelly respectively. The fourth is employed for relief duties. Pending the proper development of the Mental Health Service, the services of the Health Welfare Officers are also used for general purposes by the Health Department.

No other staff was specially employed for the Mental Health Service and no steps can be taken to develop the Service until the Senior Medical Officer has been appointed. There is a demand for help and assistance for cases of mental deficiency but until the Service is properly staffed, action in respect of a few occasional cases is the most that can be expected.

Supervision of Cases discharged from Hospital.—When the National Association for Mental Health ceased to undertake duties in the County, eight male psychotics were being supervised by them following discharge from Mental Hospitals and this duty was continued by the Health Welfare Officers.

Lunacy Acts.—During the year, the Health Welfare Officers arranged for the certification of 66 patients who were admitted to St. David's Hospital, Carmarthen, under the provisions of the Lunacy Acts. 164 voluntary patients were also admitted to the Hospital.

Mental Deficiency Acts.—Seven defectives, four boys and three girls, were brought to the notice of the Health Committee during the year; six of them (three boys and three girls) were reported by the Education Committee and one youth transferred from an Approved School to an Institution for Mental Defectives by order of the Secretary of State. This youth had been transferred during 1949 but the fact was not brought to the notice of the Authority until early in 1950. One boy was placed under the guardianship of his father during the year. Two children, a boy and a girl, were referred back to the Education Committee—the boy for home tuition for a trial period of twelve months and the girl for trial at a Special School for Epileptics.

At the end of the year, there were 168 defectives on the books of the Authority. Sixty-two of these (10 males and 52 females) were in Institutions and two cases were under the guardianship of their fathers. No cases were admitted to Institutions during 1950. "Place of Safety" action under Section 15 of the Mental Deficiency Act, 1913, had to be taken in respect of one boy prior to admission to an Institution and a vacancy is still (November, 1951) awaited for him. Of the remaining 103 cases, 16 were on the waiting list of the Regional Hospital Board for admission to suitable Institutions.

Places of Safety.—Section 15 of the Mental Deficiency Act, 1913, empowers the removal of an alleged mental defective to a "place of safety" if there is urgent need for care and attention. Such admission is intended to last for a very short period pending the completion of arrangements for admission to a suitable Institution. The Regional Hospital Board have designated certain Hospitals as "places of safety" for mental defectives but considerable difficulty has been experienced in obtaining the admission of cases. In one case during the year, seven Hospitals were approached unsuccessfully for the temporary admission of a defective girl, whose aged parents were unable to exercise sufficient control over her.

The reasons given by Institutions for refusing the admission of these cases is either that they have no accommodation available, or that they have no facilities for the care of such patients. The problem is, of course, part of that caused by the shortage of institutional accommodation for mental defectives.

COUNTY AMBULANCE SERVICE.

Under the County arrangements for an Ambulance Service :—

(*a*) The Authority maintain their own Ambulance at the West Wales Isolation Hospital under an arrangement with the West Wales Hospital Management Committee.
(*b*) The Priory for Wales of the Venerable Order of the Hospital of St. John of Jerusalem are sole agents of the Authority for the operation of the other Ambulances in the County.
(*c*) The Women's Voluntary Services operate a Hospital Car Service for the conveyance of " sitting cases."
(*d*) The Authority operate and maintain cars for " sitting cases." Three cars were in use during 1950.
(*e*) An Ambulance Control Centre under the Ambulance Officer undertakes the operational control of the service, and co-ordinates all requests for ambulance transport.

The Ambulance Stations provide a twenty-four hours service and the provision made is as follows :—

Station.	Number of Ambulances.	Whole-time Drivers.	Attendants.
Llanelly	2	4	Two Whole-time and volunteers.
Carmarthen	2	4	Two Whole-time and volunteers.
Glanamman	1	2	Volunteers.
Ammanford	1	2	Volunteers.
Trimsaran	1	2	Volunteers.
Tumble	1	2	Volunteers.
Llandilo	1	2	Volunteers.
Llandovery	1	1*	Volunteers.
Whitland	1	2	Volunteers.
Isolation Hospital	1	1	Nurse from Hospital Staff.

* Garage arrangement.

It is the policy of the Authority gradually to acquire their own ambulances. Two new ambulances were obtained during the year, and seven of the ambulances operating at the end of the year were owned by the Authority. Except for the ambulance stationed at the West Wales Isolation Hospital, and an old " non-operational " ambulance

retained as a relief vehicle, the ambulances purchased by the Council are lent to the St. John Priory who use them as their own ambulances except for repair and maintenance. The third new " sitting case " car ordered by the Authority was delivered in May, 1950, and was put into service at Llanelly.

The maintenance and repair of County Council ambulances and cars was, by arrangement with the Joint Fire Brigade Committee, carried out at the Brigade Workshops. A civilian mechanic was employed for the work and his wages were paid by the Health Committee. The Committee also paid £10 per annum per ambulance vehicle to cover overhead expenses. Spare parts were charged to the Health Committee at cost price.

The following table summarises the Service and the work undertaken during the year :—

	Strength at 31/12/50.					
	Vehicles	Paid whole-time drivers and attendants	Total No. of Journeys	Emergency Journeys included in previous column	Total No. of Patients	Total Mileage
Directly Operated.						
Ambulances	1	1	439	166	533	18967
Cars	3	3	4000	43	6537	73524
Agency Operated.						
Ambulances	11	23	8770	2184	17278	233456
Cars	—	—	—	—	—	—
W.V.S. Hospital Car Service. Ambulances	—	—	—	—	—	—
Cars	79	—	4363	52	9905	239348
Total						
Ambulances	—	—	9209	2350	17811	252423
Cars	—	—	8363	95	16442	312872
Grand Total	—	—	17572	2445	34253	565295

The record for the year was once again one of increasing demand. As compared with 1949, the number of journeys increased by 19.2%, the number of patients by 23.4%, and the mileage by 27.6%. All the increased work was undertaken by County Council cars and cars of the W.V.S. Hospital Car Service.

Tribute must be paid to the officers of the St. John Priory for their co-operation at all times, and also to the Hon. officers and members of the Women's Voluntary Services for assistance in connection with the Hospital Car Service.

The following table gives the monthly and total figures for the year 1950 and for comparison purposes, the average monthly figures for previous years :—

Month	TRIPS					PATIENTS					MILEAGE				
	Ambulances	Hospital Car Service	County Council Cars	Hired Cars	Total	Ambulances	Hospital Car Service	County Council Cars	Hired Cars	Total	Ambulances	Hospital Car Service	County Council Cars	Hired Cars	Total
January	675	306	241	34	1256	1371	644	448	68	2531	18450	16868	4302	1066	40686
February	803	343	203	34	1383	1396	806	382	72	2656	20200	17562	4473	822	43057
March	758	348	188	33	1327	1406	815	327	72	2620	22239	18407	4266	886	45798
April	885	420	231	37	1573	1750	953	412	64	3179	26956	22641	5083	970	55650
May	763	380	186	30	1359	1541	831	371	81	2824	20583	20446	4899	940	46868
June	720	358	422	8	1508	1369	755	582	8	2714	18582	19605	5757	216	44160
July	997	428	449	3	1877	1959	1010	570	3	3542	25215	24116	6907	75	56313
August	630	308	449	3	1390	1250	705	530	3	2488	18884	17522	6221	96	42723
September	803	375	387	—	1565	1682	912	683	—	3277	22515	20790	8118	—	51423
October	719	371	333	—	1423	1339	844	564	—	2747	20279	21627	6030	—	47936
November	654	422	351	—	1427	1307	982	618	—	2907	18196	23175	6230	—	47601
December	802	304	378	—	1484	1441	648	679	—	2768	20324	16589	6167	—	43080
TOTALS	9209	4363	3818	182	17572	17811	9905	6166	371	34253	252423	239348	68453	5071	565295
Average per month for 1950	767	364	318	15	1464	1484	825	514	31	2854	21035	19946	5704	423	47108
Average per month for 1947	734	212	[illegible]	41	1229	1500	418	319	76	2313	21094	11001	3431	1391	36917

For the last three months of the year, information was recorded as to the origin of calls for ambulance transport, and the information for that period is given in the following table :—

Origin.	Stretcher cases.		Sitting cases.	
	No. of calls.	% of total calls received.	No. of calls.	% of total calls received.
Medical Practitioners	801	8.76	3509	38.39
Hospitals	569	6.23	3737	40.89
Nurse Midwife	79	.86	198	2.17
Clinics	—	—	22	.24
Police	13	.14	4	.04
Welfare Officers	2	.02	2	.02
Authorised Officers	4	.04	7	.08
Ministry of Pensions, etc.	51	.56	142	1.55
Totals	1519	16.61	7621	83.38

Of the 7,621 requests for the conveyance of "sitting" patients 2,680 (35.17%) were conveyed by ambulance.

COMMUNICABLE DISEASES.

The following table summarises the notifications of infectious diseases received during 1950 :—

Disease.	No. of cases notified.
Scarlet Fever	152
Whooping Cough	66
Diphtheria	—
Measles	1415
Pneumonia	150
Cerebro-Spinal Fever	2
Acute Poliomyelitis	37
Acute Polioencephalitis	3
Dysentery	84
Ophthalmia Neonatorum	1
Puerperal Pyrexia	1
Enteric Fever	—
Para-typhoid	1
Encephalitis Lethargica	—
Food Poisoning	5

It will be noted that for the third year in succession, no case of diphtheria was notified.

Acute Poliomyelitis.—Forty-two cases of acute poliomyelitis were confirmed in the County during the year, the majority of the cases occurring in the second half of the year. The outbreak was generally mild and paresis slight. Thirty of the cases were under 15 years of age, and paresis developed in thirteen of them. The following table summarises the position generally :—

	Under 5 years of age.	Over 5 and under 15 years of age.	Over 15 years of age.	Total.
Paralytic	4	9	3	16
Non-Paralytic	6	9	9	24
Polio-encephalitis	2	—	—	2
Total	12	18	12	42

In 1947, there were 52 cases, 14 of whom were under five years of age, 17 between the ages of 5 and 15 years, and 21 over 15 years of age. Of these, eleven cases had residual paralysis.

VENEREAL DISEASES.

Carmarthenshire cases are treated at the Venereal Diseases Clinics at the Swansea and Llanelly General Hospitals. 158 new patients from the County attended during the year as follows :—

	Syphilis.	Gonorrhoea.	Non-V.D. and other conditions.	Total.
Swansea Clinic	12	15	40	67
Llanelly Clinic	16	23	52	91
Total	28	38	92	158

Total attendances of patients during the year :—

Swansea Clinic	....	950
Llanelly Clinic	....	1365
Total	.....	2315

The following Table gives comparative numbers of new cases dealt with for the first time during each of the last five years :—

Year.	Acquired and Congenital Syphilis.			Gonorrhoea.			Other conditions.
	M.	F.	T.	M.	F.	T.	T.
1946	39	37	76	62	10	72	124
1947	42	26	68	52	5	57	97
1948	15	26	41	41	4	45	96
1949	9	14	23	46	2	48	74
1950	15	13	28	34	4	38	92

The following Table summarises the work of the Clinics during 1950 :—

New and Old Cases.	Swansea Clinic.		Llanelly Clinic.		Total Male	Total Female	Total
	M.	F.	M.	F.			
(1) Cases under treatment or observation on January 1st	46	23	35	22	81	45	126
(2) Returned defaulters	2	—	3	5	5	5	10
(3) New cases dealt with for the first time and suffering from:							
(*a*) Syphilis :							
Primary	2	—	2	2	4	2	6
Secondary	—	—	2	1	2	1	3
Latent first year	1	1	1	1	2	2	4
Later stages	3	4	1	3	4	7	11
Congenital	—	1	3	—	3	1	4
Others	—	—	—	—	—	—	—
(*b*) Gonorrhoea	13	2	21	2	34	4	38
(*c*) Other conditions or Undiagnosed	27	13	34	18	61	31	92
(4) New cases previously treated at other centres, etc.	20	—	1	2	21	2	23
Totals	114	44	103	56	217	100	317
Attendances as Out-Patients :— (*a*) Seen by Medical Officer	443	133	292	194	735	327	1062
(*b*) For intermediate treatment	272	102	531	348	803	450	1253
Total attendances	715	235	823	542	1538	777	2315
" IN-PATIENTS " :— No. of in-patient days of treatment	—	17	—	—	—	17	17

The following Table shows the results of treatment in 1950 :—

	Swansea Clinic.			Llanelly Clinic.		
	Syphilis	Gonorrhoea	Other conditions	Syphilis	Gonorrhoea	Other conditions
Cases under treatment, etc., on January 1st	40	14	15	32	7	18
Cases dealt with for first time, including new cases, returned defaulters and transfers in	16	33	40	21	26	55
Total	56	47	55	53	33	73
Discharged cured after completion of treatment	12	33	44	5	13	49
Ceased to attend before completion of treatment	7	—	—	3	—	—
Ceased to attend after completion of treatment but before final tests of cure	6	7	—	—	2	—
Cases under treatment or observation that died from the disease	—	—	—	—	—	—
Transferred out to other Centres, Institutions, etc.	2	—	—	3	7	6
Cases remaining under treatment, etc., on 31st December	29	7	11	42	11	18
Total	56	47	55	53	33	73

TUBERCULOSIS.

Two Chest Physicians each with an Assistant Chest Physician cover the County. The Physicians of Pembrokeshire and Swansea also attend Carmarthenshire cases along the borders of the County.

Incidence—Comparative Statement.

The number of new cases reported by formal notification or otherwise and the case rates per 1,000 population during the past five years are as follows :—

Year.	No. of Respiratory cases.	Case rate.	No. of Non-Respiratory cases.	Case rate.
1946	229	1.3	56	.33
1947	230	1.39	85	.52
1948	190	1.11	79	.48
1949	220	1.3	49	.28
1950	225	1.31	45	.26

The mortality figures for the same five years are as follows :—

Year.	Deaths from Respiratory T.B.	Death Rate per 1,000 population.	Deaths from Non-Respiratory T.B.	Death Rate per 1,000 population.
1946	101	.61	18	.10
1947	100	.60	17	.10
1948	89	.52	25	.14
1949	95	.56	18	.11
1950	70	.41	16	.09

The following Table shows the age distribution of all new cases notified during 1950 :—

Age Periods.	Respiratory.		Non-Respiratory		Total.
	M.	F.	M.	F.	
0—1	—	—	1	—	1
1—5	1	3	2	2	8
5—15	7	4	7	1	19
15—25	24	43	3	6	76
25—35	26	25	5	2	58
35—45	20	17	3	4	44
45—55	16	7	2	7	32
55—65	18	1	—	—	19
65 +	8	5	—	—	13
Total	120	105	23	22	
Grand Total	225		45		270

The following Table shows the deaths from Tuberculosis classified into the various age groups for the year 1950 :—

Age Periods.	Deaths from Tuberculosis. 1950			
	Respiratory.		Non-Respiratory.	
	M.	F.	M.	F.
0—1	—	1	—	—
1—5	1	—	2	1
5—15	1	1	2	—
15—45	15	12	3	3
45—65	24	6	1	4
65 +	6	3	—	—
Total	47	23	8	8
Grand Total	70		16	

Examinations and Dispensary Records.

During the year 3,490 new cases, including 251 contacts, were examined. Of these 217 were diagnosed as definitely tuberculous and 3,235 as non-tuberculous. 38 cases were not finally diagnosed.

COUNTY WELFARE SERVICES.

Under the National Assistance Act, 1948, the County Council were given power to make arrangements for promoting the welfare (but excluding financial assistance or medical treatment) of persons who are blind, deaf or dumb, aged, and others who are substantially and permanently physically handicapped. The County Welfare Committee was appointed to undertake the Council's functions under the Act.

Blind Persons.—There is no change to report in the arrangements for the care and welfare of blind persons, and the Carmarthenshire Blind Society continued to act as agents to the County Council. Medical examination and certification of cases is arranged by the County Medical Officer of Health, and specialist examination, when necessary, is undertaken at the Ophthalmic Clinics of the Regional Hospital Board at Carmarthen and Llanelly. If a patient is unable to travel, a domiciliary visit is made by the Ophthalmologist.

During 1950, 113 new cases (52 male and 61 female) were examined and 102 (46 male and 56 female) were certified as blind. The total number of blind persons on the Register at the end of the year was 444 (as compared with 414 on the 31st December, 1949). The age distribution of these cases was as follows :—

Age.	M.	F.	Total	Age.	M.	F.	Total
0—5	1	—	1	45—55	8	19	27
5—15	—	—	—	55—65	28	54	82
15—35	12	7	19	Over 65	129	163	292
35—45	12	11	23	Totals	190	254	444

210 (91 male and 119 female) became blind when over 65 years of age. 20 (8 male and 12 female) became blind in infancy (under 12 months old).

At the end of the year four males were under training ; two at the Queen Elizabeth Home for the Blind, America Lodge, Torquay, one at the School of Physiotherapy of the National Institute for the Blind and the other at the Royal Normal College for the Blind, Shrewsbury. Three males were employed at home. Five males were employed in workshops (two at Swansea and three at Llanelly).

MILK CONTROL.

The number of animals slaughtered under the Tuberculosis Order, 1925, during the past five years is as follows :—

1946	.....	.....	21
1947	.....	.....	16
1948	.....	.....	14
1949	.....	.....	22
1950	.....	.....	22

The enforcement of regulations relating to Raw Milk was transferred to the Ministry of Agriculture and Fisheries as from the 1st October, 1949, by virtue of the Milk (Special Designations) (Raw Milk) Regulations, 1949.

The Milk and Dairies Orders, 1926-1943, were revoked by the Milk and Dairies Regulations, 1949. Under the latter regulations, the responsibility for the registration of dairy farms and of persons carrying on the trade of dairy farmer was transferred to the Ministry of Agriculture and Fisheries. Local Authorities retain responsibility for dairies which are not dairy farms and of dairymen who are not dairy farmers, and for the enforcement of the regulations relating to diseases communicable to man. These regulations also came into operation on the 1st October, 1949.

Milk in Schools.—During 1950, 1,052 samples were taken by the Chief Inspector of Weights and Measures of milk supplied to schools. Of these 982 were found to be satisfactory and 70 unsatisfactory.

SANITARY CIRCUMSTANCES.

The Local Sanitary Authorities in the County are very much alive to the necessity for improving water supplies and sewerage, and despite the many difficulties inseparable from present day constructional works, they are generally actively engaged in pressing for and implementing schemes.

Up to the time of the preparation of this report, the Annual Reports of the Medical Officers of Health of the following County districts for 1950 had not been received, and no information had been provided as to the water and sewerage works undertaken in their areas :—

Llandilo Rural.
Llandilo Urban.
Ammanford Urban.
Cwmamman Urban.
Newcastle Emlyn Rural.

The following paragraphs give a brief indication of what was undertaken during the year in other districts :—

Water Supply.

Llanelly Borough.—The supply of water for the Trostre Works, which involved the laying of 2½ miles of 24 inch pipeline, was under construction during the year, and the service mains were also being extended to the Cefncaeau Housing Site. The Towy Water Scheme was awaiting the approval of the Welsh Board of Health, and preliminary consideration was given to the construction of a new service Reservoir for filtered water.

Carmarthen Borough.—The District Medical Officer of Health for Carmarthen Borough (Dr. Elfyn T. Jones) has expressed concern about the increasing demands on the water supply for the Borough and stressed the urgent necessity for implementing their scheme of filtration for water used to augment the existing reservoirs.

Llandovery Borough.—The water supply has a corrosive action on metal pipes. There is also urgent need to increase the supply of water for the Borough. Additional sources of supply and the replacement of the metal pipes by an asbestos water main are being investigated.

Kidwelly Borough.—A comprehensive scheme for the improvement of the town's water supply has been approved by the Welsh Board of Health.

Newcastle Emlyn Urban District.—This authority have decided to replace the old water mains of the District and a large proportion of the pipes required have been delivered. Shortage of labour prevented the work being started during the year.

Burry Port Urban District.—A scheme for the construction of a 6 inch main to supply water to the Carmarthen Bay Power Station has been agreed.

Carmarthen Rural District.—The Western Area Water Supply Scheme was under construction during the year and the main portion of it was expected to be completed during the Summer of 1951. In addition, this Authority had under consideration, the Llawddog and the Eastern Area Water Supply Schemes, and preparatory work was being undertaken in connection with the Gynin Valley scheme to serve the needs of the parishes of Llanwinio, Llangynin and Llanboidy.

Llanelly Rural District.—Schemes for the supply of water to parts of Trimsaran, Pontyberem, Tycroes, Hendy and Five Roads, were completed during the year. The approval of the Welsh Board of Health was awaited to small schemes for the extension of mains to farms and rural properties.

Sewage Disposal.

Kidwelly Borough.—A Scheme for a complete sewerage system has been prepared and tenders for the work were being invited during 1951.

Llandovery Borough.—The final approval of the Welsh Board of Health is still awaited to the proposed main sewerage scheme for this Borough.

Burry Port Urban.—Approval of the Welsh Board of Health to a scheme for the unsewered portion of this district was received and work commenced in August, 1951.

Llanelly Rural.—Extensions to existing schemes at Garregholll, Ponthenry, Penceiliogi, Bryn and Hendy were completed during the year, and constructional work was commenced at Pontyberem, Cwmmawr, Pembrey and Tycroes. The approval of the Welsh Board of Health was awaited to schemes for the following areas :—

Cross Hands—Bethania Road, Tumble.
Llannon.
Cwmgwili.
Five Roads.

A new scheme for Bryn, Llanelly was also under consideration.

Carmarthen Rural.—Work was still in progress on the Drefach and District Joint Sewerage Scheme, a joint scheme of this Authority and the Llanelly Rural District Council. Work was commenced in August, 1950, on the Trelech Sewerage Scheme and the approval of the Welsh Board of Health is awaited to the following :—

Cross Hands Joint Sewerage Scheme.
Whitland Sewerage Scheme.
Ferryside Sewerage Scheme.
Llansaint Village Sewerage Scheme.
Abergwili Village Sewerage Scheme.
Llanybri Village Sewerage Scheme.

VITAL STATISTICS—1950.

Name of District.	Estimated Population for 1950	Net Births.		Deaths Registered in District.		Transferable Deaths.		Deaths under 1 year.		Area of District in Acres.	Census 1931.
		No.	Rate per 1000 Population.	No.	Rate per 1000 Population.	Outward. Non-Residents registered in District.	Inward. Residents not registered in District.	No.	Rate per 1000 Net Births.		Total Population at all ages.
URBAN											
Llanelly	33,630	476	14.15	467	13.89	110	57	13	27.31	2,069	38,416
Carmarthen	12,660	178	14.06	131	10.36	163	10	3	16.85	5,160	10,310
Llandilo	2,020	16	7.92	32	15.84	1	7	1	62.50	304	1,886
Llandovery	2,051	27	13.16	36	17.55	6	5	—	—	1,266	1,980
Kidwelly	3,001	38	12.66	41	13.66	—	15	2	52.63	2,854	3,159
Newcastle Emlyn	770	5	6.49	16	20.78	1	6	—	—	208	763
Ammanford	6,618	96	14.51	93	14.05	2	23	4	41.66	944	7,164
Burry Port	6,118	104	17.00	76	12.42	—	24	4	38.46	1,374	5,755
Cwmamman	4,632	66	14.25	58	12.52	5	11	—	—	756	5,217
Total	71,500	1006	14.07	950	13.29	288	158	27	26.84	14,935	74,650
RURAL											
Llanelly	37,760	522	13.83	447	11.84	20	112	15	28.74	51,367	37,266
Carmarthen	27,970	432	15.45	356	12.73	9	68	12	27.78	202,622	29,269
Llandilo-fawr	26,000	368	14.15	318	12.23	22	67	12	32.61	236,706	28,875
Newcastle Emlyn	8,500	121	14.24	125	14.71	4	26	7	57.85	82,842	9,040
Total	100,230	1443	14.40	1246	12.43	55	273	46	31.88	573,537	104,450
Urban Districts	71,500	1006	14.07	950	13.29	288	158	27	26.84	14,935	74,650
Rural Districts	100,230	1443	14.40	1246	12.43	55	273	46	31.88	573,537	104,450
Whole County	171,730	2449	14.26	2196	12.78	343	431	73	29.81	588,472	179,100
England & Wales			15.8		11.6				29.8		

POPULATION CENSUS, 1951

At the time of the preparation of this report, the Registrar General's Preliminary Report on the Census undertaken on the 8th April, 1951 became available.

The population of the County at the time of the Census was 171,742 (84,173 males and 87,569 females) as compared with a population of 179,100 (88,923 males and 90.177 females) in 1931, i.e., a reduction of 4.1%.

For the whole of Wales and Monmouthshire the population fell by 0.3.% Five Counties showed a percentage increase as follows :—

Flintshire	28.5%
Denbighshire	8.3%
Pembrokeshire	4.2%
Anglesey	3.3%
Caernarvonshire	2.7%

The percentage decrease in respect of the other eight Counties was :—

Radnorshire	6.2%
Montgomeryshire	5.1%
Carmarthenshire.....	4.1%
Monmouthshire	4.1%
Merionethshire	4.0%
Glamorganshire	3.9%
Cardiganshire	3.5%
Brecknockshire	2.2%

Thus, only Montgomeryshire and Radnorshire have suffered a greater loss of population than Carmarthenshire and Monmouthshire who suffered a loss of 4.1%.

The English Counties all showed an increase in population except Durham (2% decrease) and London (23.8% decrease).

Three Carmarthenshire County Districts showed an increase in the population as compared with 1931, viz. :—

	Population		Percentage Increase
	1931	1951	
Carmarthen M.B.	10,310	12,121	17.6
Llandilo U.D.	1,921	2,003	4.3
Burry Port U.D.	5,755	5,927	3.0

With the exception of Newcastle Emlyn Urban District where the population was static (763 people), the remaining County Districts showed a decrease as follows :—

	Population		Percentage Decrease
	1931	1951	
Cwmamman U.D.	5,217	4,593	12.0
Llanelly M.B.	38,416	34,329	10.6
Llandilo R.D.	28,828	26,404	8.4
Ammanford U.D.	7,164	6,578	8.2
Llandovery M.B.	1,980	1,856	6.3
Kidwelly M.B.	3,159	3,007	4.8
Newcastle Emlyn R.D.	9,040	8,692	3.8
Carmarthen R.D.	29,281	28,469	2.8
Llanelly R.D.	37,266	37,000	0.7

The total population of the Municipal Boroughs and Urban Districts in the County has been reduced by 4.7% while that of Rural Districts has been reduced by 3.7%.